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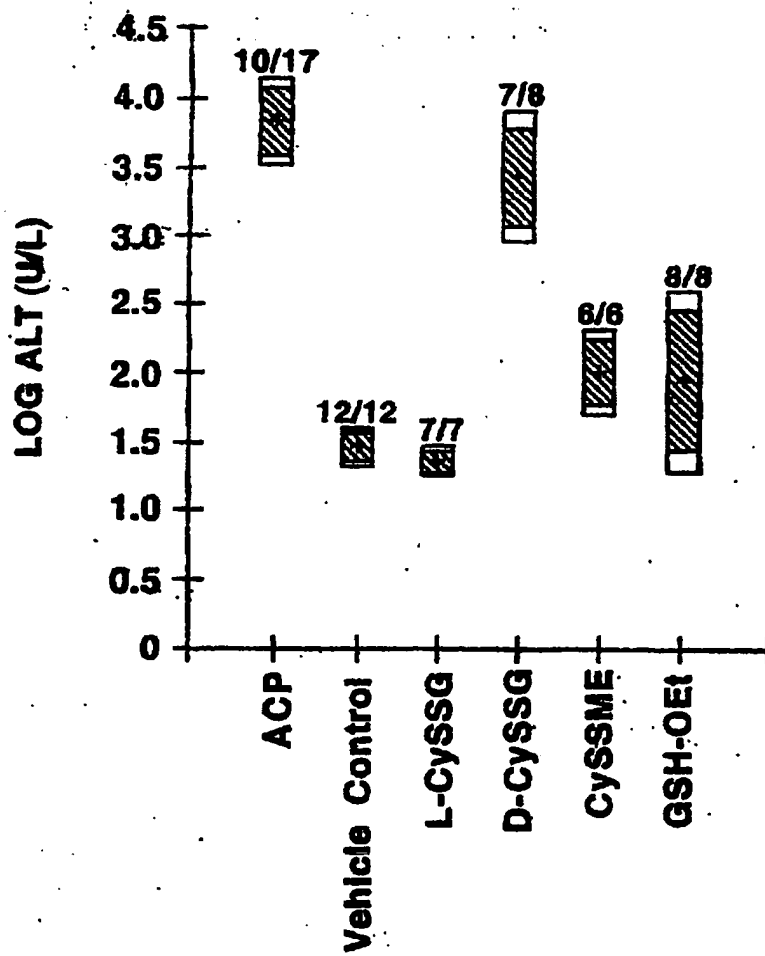
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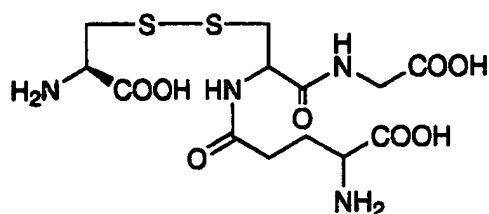
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FIGURE 1

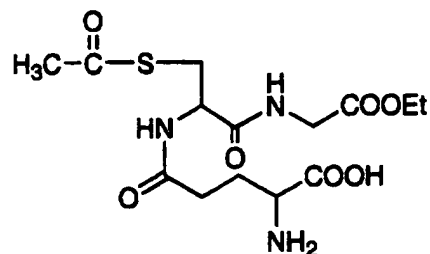


**Figure 2**



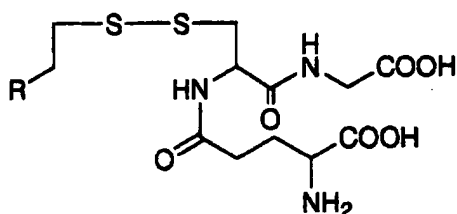
**L-CySSG**

(W.A. Kleinman and J.R. Richie, *Biochem. Pharmacol.* **60**, 19-29, 2000)



**S-Acetylgutathione ethyl ester (S-Ac-GSH-OEt)**

[Lauro Galzigna PCT/EP9/01154 (WO 92/00320)]

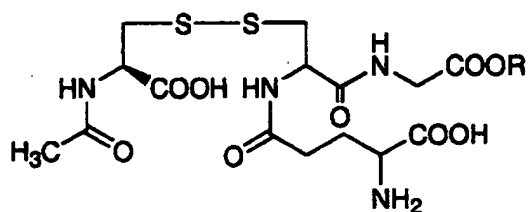


**GSSMA (R = NH<sub>2</sub>)**

(D.A. Keine, E. Strauss, W. Guo, B. Noszai and D. L. Rabenstein, *J. Org. Chem.* **57**, 123-127, 1992)

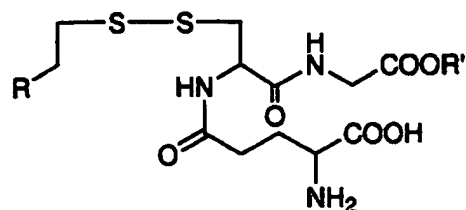
**GSSME (R = OH)**




S. Sato, R. Sakai and M Kodama, *Bioorg. Med. Chem. Lett.* **10**, 1787-1789, 2000



R = Et; i-Pr; n-Bu

**Derivatives of CySSG**



R = H<sub>2</sub>N-; (CH<sub>3</sub>)<sub>2</sub>N-; (C<sub>2</sub>H<sub>5</sub>)<sub>2</sub>N-; N-; N-; N-

R' = C<sub>1</sub>-C<sub>18</sub> alkyl, cycloalkyl (mono-, bi-, tri-), aralkyl, aryl

**Derivatives of GSSMA**

FIGURE 3

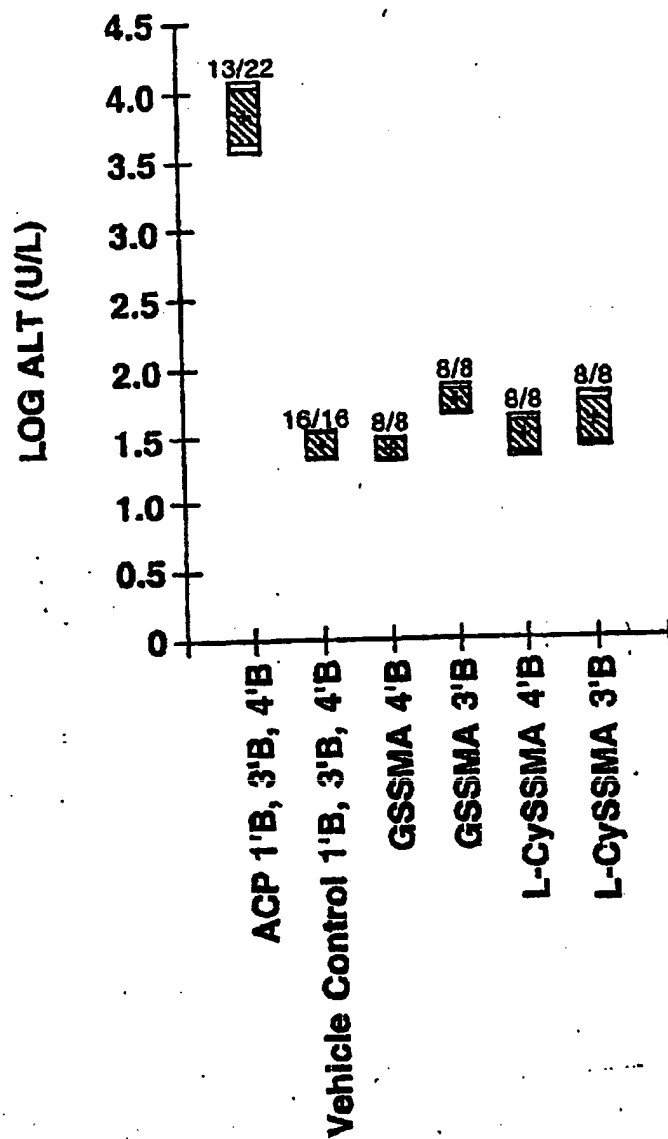


FIGURE 4

